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400-201

CCIE Service Provider Written Exam

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QUESTION 1

A service provider is implementing Ethernet solutions for clients that are not being provisioned within the MPLS core network. Which solution allows the Service Provider to complete Ethernet circuit provisioning in this scenario?

- A. L2TPv3
- B. VPLS
- C. AToM
- D. PPPoE

Answer: A

QUESTION 2

Which is the main characteristic of LTE architecture comparing to other mobile architectures?

- A. Provides supports to deploy Layer 3 MPLS VPN model, where other mobile architectures do not support.
- B. Offers node redundancy with the static route configured on the IP NodeB using the HSRP/VRRP virtual ip address.
- C. Provides a simpler, less hierarchical model with the capability of simplistically distributing the core gateways.
- D. Introduces a hierarchical model with connection-oriented service requirements and one-to-one relationships.

Answer: C

QUESTION 3

A Service Provider is offering VoIP services and a service level agreement to customers. Which configuration provides validation to customers that the service level agreement has been honored?

- A. ip sla 999 udp-jitter 209.165.200.225 1000 codec g729a tos 160 ip sla schedule 999 life forever

start-time now

B. ip sla 999 icmp-jitter 209.165.200.225 tos 160 ip sla schedule 999 life forever start-time now

C. ip sla 999 icmp-jitter 209.165.200.225 tag VoIP-SLA ip sla schedule 999 life forever start-time now

D. ip sla 999 udp-jitter 209.165.200.225 1000 codec g729a tag VoIP-SLA ip sla schedule 999 life forever start-time now

Answer: D

QUESTION 4

A telecom company offers ISPs the ability to resell dynamic IP broadband services over its local loops, but it does not allow the resellers to install broadband network gateways. If an ISP wants to become a reseller but is unable to use NHRP, which tunneling protocol should be implemented?

A. IPinIP

B. IPsec

C. L2TP

D. GRE

Answer: C

QUESTION 5

Router PE-1

```
config t
ip vrf MAINT
rd 200:1
route-target import 100:1
route-target export 100:1
exit
!
interface FastEthernet/0/0
ip vrf forwarding MAINT
ip address 10.10.100.2 255.255.255.0
no shut
exit
!
logging on
logging host 10.10.100.100
logging trap debugging
```

The vrf MAINT has been provisioned and used by the Service Provider management network. The engineer discovers that syslog messages are not being received on the syslog server. IP reachability has been validated using ping. Which issue in the configuration must be corrected?

- A. logging on must include the vrf MAINT keyword.
- B. logging host must include the vrf MAINT keyword.
- C. The logging facility must be configured for syslog processing.
- D. The route targets that are configured do not match the route distinguisher.

Answer: B

QUESTION 6